

CLAIM LISTING

1. Claims 1 - 7 (Canceled)

8. (New) A method of determining concentration of LDL cholesterol in a whole blood sample using a dry phase test strip, said method comprising:

- (a) contacting the whole blood sample with a blood separation layer of the test strip and separating the blood cells from the sample, thereby producing plasma;
- (b) contacting said plasma with one or more test layers to produce color in at least one of said one or more test layers;
- (c) measuring the color produced in process (b); and
- (d) determining the concentration of LDL cholesterol in said whole blood sample without using a Friedenwald calculation.

9. (New) The method of claim 8 wherein processes (a) - (c) are conducted at room temperature.

10. (New) The method of claim 8 wherein said measuring is initiated by an endpoint algorithm.

11. (New) The method of claim 8 wherein said dry phase test strip comprises two stacks, each having one or more vertically aligned layers, and:

- said contacting comprises contacting each of said stacks with said plasma;
- said measuring comprises measuring the color produced in each of said stacks; and
- said determining comprises subtracting the results from one of said stacks from the results of the other of said stacks.

12. (New) The method of claim 11 wherein one of said stacks measures total cholesterol and the other of said stacks measures non-LDL cholesterol.

13. (New) The test strip of claim 8 wherein said contacting comprises contacting said plasma with a test layer including a surfactant that acts on non-LDLs.

Serial No. 10/663555
Amendments and Remarks Responsive To
Office Action Mailed 07/18/2005

Page 2 of 4

219037v1

14. (New) The test strip of claim 13 wherein said contacting comprises contacting said plasma with a test layer including emulgen B66.

Serial No. 10/663555
Amendments and Remarks Responsive To
Office Action Mailed 07/18/2005

Page 3 of 4
219037v1

PAGE 5/6 * RCVD AT 8/12/2005 2:46:21 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/36 * DNI:2738300 * CSID:+* DURATION (mm:ss):01:30